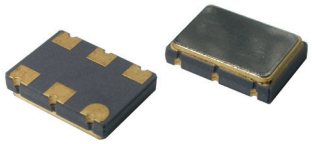
SX7CQP

HCMOS SURFACE MOUNT CRYSTAL CLOCK OSCILLATOR

FEATURES

- Frequency Switchable Oscillator
- Up to 250 MHz
- Short delivery

7.0 x 5.0 x 1.8 mm



Item	Specification		
Frequency Range	10.0 MHz ~ 250 MHz		
Output Signal	CMOS		
Overall Frequency Stability *	± 25 ppm ~ ± 100 ppm (see options)		
Operating Temperature Range	0 ~ +70°C commercial application (see options) -40 ~ +85°C industrial application (see options)		
Supply Voltage Vdd		+2.5V ±5%	+3.3V ±5%
Supply Current Idd	40 mA max.		
Output Level		VOH ≥ 0.9 Vdd	VOL ≤ 0.1 Vdd
Output Load	15 pF		
Symmetry	45 / 55 %		
Rise Time / Fall Time Fr/Ff	8.0 ns max.		
Tri-state function	pin #1 = high or open pin #1 = low		pin #4 = oscillation pin #4 = disable
Start-up Time	3 ms typ. ; 10 ms max.		
RMS Jitter (12 kHz to 20 MHz band)	1.0 ps typ.		
Frequency selection	**FSEL** 0 1	**Frequency output** Freq. 1 Freq. 2	
Packing Unit	1000pcs / reel		
Soldering Condition	260°C , 10 sec x2 max		
	Customer specifications on request		

(*) Includes initial tolerance @+25°C, stability over operating temperature, stability vs. load change, stability vs. supply change and one year aging

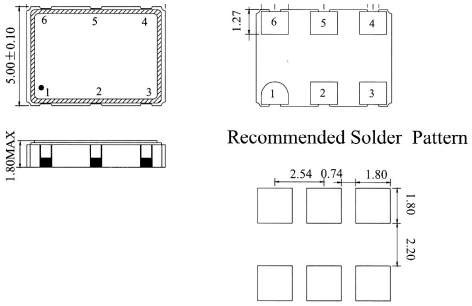
OPTIONS & ORDERING INFORMATION

SX7CQP..... ....- ..... / .....

Supply Voltage *	Operating Temp. *	Overall Stability *	Tri-state Function	Frequency 1 (MHz)	Frequency 2 (MHz)
25 = +2.5V	**E =** 0° / +70°C	**25 =** ±25 ppm	**E =** Tri-state		
33 = +3.3V	**F =** -20° / +70°C	**50 =** ±50 ppm			
	K = -40° / +85°C	**100 =** ±100 ppm			

(*) Note : Not all combinations are possible, please consult us.

OUTLINE DIMENSIONS



Pin Connections	**#1** : E/D	**#2** : FSEL	**#3**: GND	**#4** : Output
	#5 : NC	**#6** : Vdd		